

AMENDMENTS TO THE CLAIMS

The following is a complete listing of revised claims with a status identifier in parenthesis.

Listing of Claims

Claim 1 (cancelled).

31
Claim 2 (currently amended): A circuit arrangement for a reception part of an SDH (=Synchronous Digital Hierarchy) transmission system for transmitting plesiochronous signals, comprising:

01
- a clock synchronizer receiving the plesiochronous signals through a plurality of input channels allocated to the plesiochronous signals and adapting the received plesiochronous signals to a common processing clock, The circuit arrangement of Claim 1 wherein the clock synchronizer including contains a plurality of buffer memories corresponding to the plurality of input channels for writing in the plesiochronous signals with their plesiochronous signal clock, and for reading out the signals with a synchronous processing clock;

- a reception multiplexer for receiving the signals with the synchronous processing clock; and

- a reception processing means connected at an output of the reception multiplexer for transforming a plesiochronous signal into a synchronous signal for an SDH transmission channel.

Bl
cont

Claim 3 (currently amended): The circuit arrangement of Claim 1 2 further comprising a demultiplexer following the reception-processing means.

Claim 4 (original): A circuit arrangement for a transmission part of an SDH transmission system for transmitting plesiochronous signals, comprising:

a transmission multiplexer, at the output of which a transmission processing means for transforming a transmitted synchronous signal into a plesiochronous signal is connected, and

a desynchronizer following the transmission processing means for recovery of the plesiochronous signal clocks of the plesiochronous signals and to issue the plesiochronous signals to a plurality of output channels.

Claim 5 (original): The circuit arrangement of Claim 4, wherein the transmission processing means is connected to a transmission demultiplexer contained in the desynchronizer.

32 Claim 6 (currently amended): The circuit arrangement of Claim 1 2,
wherein the reception processing means comprises:

a synchronizer for equalizing the bit rates of the plesiochronous signal;
and

a mapper for mapping the equalized plesiochronous signal to provide the
synchronous signal.